

Audiometric Suites for the Tennessee School for the Deaf- Specifications

Address: 2725 Island Home Blvd, Knoxville, TN 37920

Phone: (865) 579-2500

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The Tennessee School for the Deaf (TSD) is seeking a Contractor for the provision of new audiometric exam suites for the school. TSD currently has two (2) 1960's era audiometric booths that are in need of replacement. The location of the suites will be in the Audiology Clinic in the Ward Building at TSD's Knoxville Campus. The suites will be in the same approximate location of the current units. The specifications for the brands/models are below.

Bidders are strongly recommended to attend a pre-bid walkthrough of the current location of the audiometric booths to accurately assess the feasibility of delivery and installation of the two (2) exam suites. The Contractor shall provide delivery, installation, and warranty with each exam suite.

Scope:

Brands: ETS-Lindgren Model RS-143 or IAC Acoustics 140act-1 or EQUAL

Model: Single Wall Control / Single Wall Exam Suite

Quantity: Two (2) exam suites

Size:

- Outside dimensions of each exam suite: Maximum of 16' wide by 9" deep by 9' high
- Overall height must include any roof mounted ventilation silencers or aprons that are required.

Construction: The exam suite must have a control room and an exam room separate from each other.

Acoustic wall panel construction consisting of

- Minimum 14 gauge outer skin
- Minimum of 14 gauge inner skin
- Acoustic fill material within the walls of each unit

Doors

- Acoustic door, magnetic seal with heavy duty liftoff hinges
- Two (2) outward-swinging doors, one (1) from the exam partition and one (1) from the control room
- Window in doors are required for both the exam room side and the control room side

Floor System

- Acoustical floor panel and vibration isolation system

- Accommodation for flush entry in the doorway for both the control room and the exam room

Interior Window

- An observation window from the control room to the exam partition must be featured in the internal dividing wall

Ventilation

- HVAC system connection for incorporation into the building's HVAC

Electrical:

- Two (2) A/C power outlets inside
- Six (6) A/C power outlet outside
- All panels with recessed power shall carry a UL Classification label
- One (1)- 20 amp dedicated 110V electrical service for each suite
- All electrical work that is part of the units must meet requirements established by the National Electrical Code (NEC)

Acoustic Performance:

Noise reduction (minimum requirements)

Hertz	125	250	500	1000	2000	4000	8000
Single Wall (dB)	24	30	40	45	50	55	56

Noise from ventilation:

- Proposed unit must have sound reduction in place for HVAC ventilation connection

The Contractor shall provide documentation within seven (7) business days of receiving the award notification from the State to Joseph Butt that supports the units that are being offered meet industry standards such as Standard Test Method for Laboratory Measurement of Noise Reduction of Sound-Isolating Enclosures (ASTME 596-96) or International Organization of Standards (ISO) guidelines.

Installation:

- Contractor shall provide an operations manual upon delivery and installation of the units
- The Contractor shall install the two (2) exam units
- Maximum of 90 days for delivery and installation
- The Contractor shall provide a delivery and installation timeline for the two (2) exam suites to Joseph Butt within seven (7) business days of receiving the award notification from the State

Warranty and Maintenance

- Contractor shall provide a minimum one-year warranty on all parts and labor provided by the Contractor.

Pre-Response Walkthrough:

Prior to bidding on this project, bidders will need to contact TSD and schedule a time to assess the physical location of the project in the Ward Building on-campus. The walkthroughs will be scheduled during the

hours of Monday – Friday 8:00 a.m. to 4:00 p.m.

Pre-Response Walkthrough Schedule:

Beginning Date for Walkthroughs	January 28, 2019
Final Date for Walkthroughs	February 1, 2019

Contact: for Pre-Response Walkthrough, submission of documentation of industry standards, and delivery and installation timeline

Joseph A. Butt, M.S.

j.butt@tsdeaf.org

Office: 865-579-2423

Cell: 865-340-2259